

(19) World Intellectual Property Organisation
International Bureau



(43) International Publication Date
08 April 2004 (08.04.2004)

PCT

(10) International Publication Number:
WO 2004/028658 A1

(51) International Patent Classification⁷: **B01D 15/08**

(21) International Application Number: PCT/DE2003/003108

(22) International Filing Date:
19 September 2003 (19.09.2003)

(25) Filing Language: German

(26) Publication Language: German

(30) Priority Data:
102 43 529.4 19 September 2002 (19.09.2002) DE

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(81) Designated states (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR,

CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated states (regional): ARIPO Patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

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Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR DISCOVERING SUITABLE CHROMATOGRAPHY CONDITIONS FOR THE SEPARATION OF BIOLOGICAL MOLECULES

(57) Abstract: The invention relates to a multiparallel chromatography system for developing a method for the purification of proteins and other biomolecules. The system uses cavities of multiwell plates (for example 96 well plates) filled with chromatography gels, and consists of diverse start buffers in which the samples to be chromatographed are dissolved and with which the gels are equilibrated, and solutions for desorption (elution) of the biomolecules bound to the gels. The system comprises aids for interpretation of the results obtained from the post-chromatography analyses (for example protein concentration determinations, bioassays, etc.) of the supernatants of the unbound biomolecules and/or the eluates. These aids may also consist of programs into which the results are entered and which, after processing of the results, supply interpretations and proposals for the design of the steps for the purification of a biomolecule.